

TOMORROW'S BUSES FOR TODAY'S CHILDREN



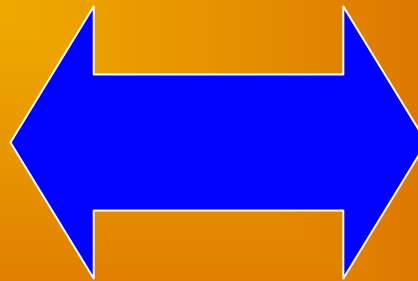
CLEAN SCHOOL BUS USA

Clean School Bus USA

Partnerships lead to success!

Raymond Werner
Air Programs Branch Chief
EPA Region 2

Partnerships





Clean School Bus USA basics

- EPA's new initiative to partner with communities, businesses, educational leaders, and health care professionals to:
 - Reduce school bus idling
 - Retrofit existing buses with pollution control devices
 - Replace the oldest buses with new ones

Why not just regulate?

Pollution controls will need to be installed on diesel engines built in 2004 and later years

AND regulations are in place to have cleaner engines for buses that enter fleets beginning in 2007.

HOWEVER

Buses that are already in the fleet are NOT REGULATED by these standards!





The creation of Clean School Bus USA

- There is a need to decrease pollution from existing buses as they:
 - Will not be regulated by the 2004 or 2007 engine standards.
 - Will be in the fleets for years or decades.
 - Emit the most pollution.
- Clean School Bus USA is a voluntary program to decrease pollution from buses that enter fleets prior to 2007.



Take Home Messages

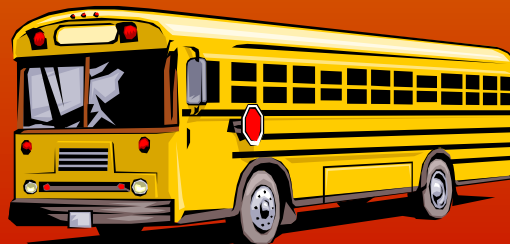
There are good reasons to decrease pollution.

Practical and affordable ways to clean school buses exist!

Assistance is available!

Transportation to school

- School buses are the safest way to get students to school!
- 2.3 million children in New York ride the bus to school.
- Children spend between 20 minutes and several hours per day on the bus.



So, why talk about 'cleaning' school buses?

- Children's health
 - Probable Human Carcinogen
 - Particulate matter is hazardous!
 - Children are more susceptible to air pollution
- School Environment
 - Idling near air intakes affects everyone!
- Leadership

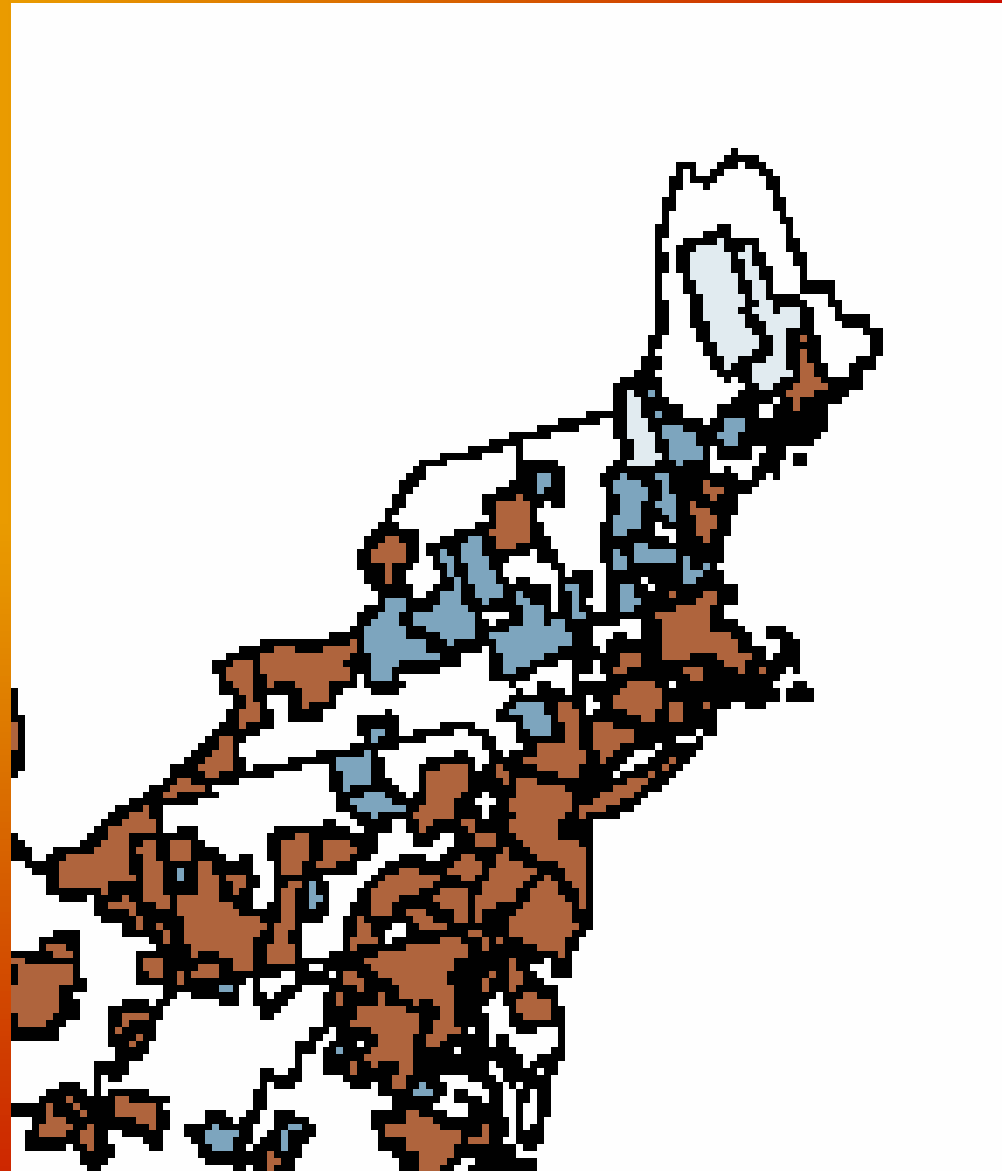


Air Quality

8 Hr Ozone non-attainment areas

	Violate	Attain
Complete Data	154,890,834	65,773,935
Incomplete Data		3,812,773

Data Source: AQS April 1, 2003



Because we CAN
do something!

What can we do?

- Stop idling
 - Turn off the bus!
- Re-route
 - Routes
 - Staging areas
 - Parking areas
- Install pollution control devices
 - Technology exists that will reduce emissions of harmful particulate matter by up to 90 percent
- Replace the oldest buses



Help is available!

- **Funding**

- **Federal**

- **State**



- **Technical support**



- **Resources**



Funding Sources

- **Funding sources: Federal**
 - \$5 million in EPA's budget for 2003
 - Competitive grant program
 - Applications due August 1, 2003.
 - \$20 million from a Clean Air Act settlement with Toyota Motor Corporation
 - For more information visit: www.epa.gov/otaq/retrofit
- **Funding sources: State**
 - NYPA
 - NYSERDA
 - Supplemental Environmental Programs



Help from EPA Region 2

■ Technical

- Assist with questions and/or problems.
- Provide training, workshops and guidance for retrofit and replacement programs.



■ Resource

- Assist in creation of anti-idling and/or retrofit programs/Clean School Bus USA partnership with you!
- Assist in bridging the gap between bus companies, schools, states and corporations.
- Share material and information regarding
- programs, requirements and funding
- opportunities.



Get on the bus!

- For more information call:
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